

Abstract

An industrial sieving or screening machine has a resonator rod on the separator screen. The rod extends between two spaced ends and has a transducer located at one end to excite the rod over its length to assist with deblinding the screen. The rod may be spiral in shape or shaped with other smoothly blended complex curves such as an S-shape. A spiral rod resonator fixed to the top of the sieve screen may be used as a guide for material to be screened.